NOTES:

1 THE FOLLOWING SYMBOLS DENOTE:

- * EQUIPMENT SEALABLE BY INCOMING SUPPLY AUTHORITY.
- D.O.L. EQUIPMENT SUITABLE FOR MOTOR DIRECT–ON–LINE STARTING.
- MR MOTOR RATED
- (M) DENOTES MULTIFUNCTION METER

2 ALL FINAL CIRCUITS SERVING AIR–CONDITIONING TO BE PROTECTED BY TYPE 3 MCB's.

3 EMERGENCY LIGHTING CENTRAL TEST CONTACTORS NOT SHOWN. REFER TO DRAWINGs NO. 3638/1/E1 TO E3

4 NOT ALL SPECIALIST EQUIPMENT & SERVICES ARE INCLUDED ON THE FLOOR PLANS. ALL EQUIPMENT, CABLING & POWER PROVISION SHOWN ON THIS DRAWING IS TO BE PROVIDED & INSTALLED IN THE APPROPRIATE LOCATIONS

NOTES:

1 CABLING TO FIRE FIGHTING EQUIPMENT TO BE FIRE RATED TO BS 6387 CAT. CWZ AND FOLLOW SEPARATE ROUTES THROUGH THE BUILDING.

2 THE FOLLOWING SYMBOLS DENOTE:

- * EQUIPMENT SEALABLE BY INCOMING SUPPLY AUTHORITY.
- MR MOTOR RATED
- (M) DENOTES MULTIFUNCTION ENERGY METERING COMPLETE WITH BMS CONNECTION & CT CHAMBER

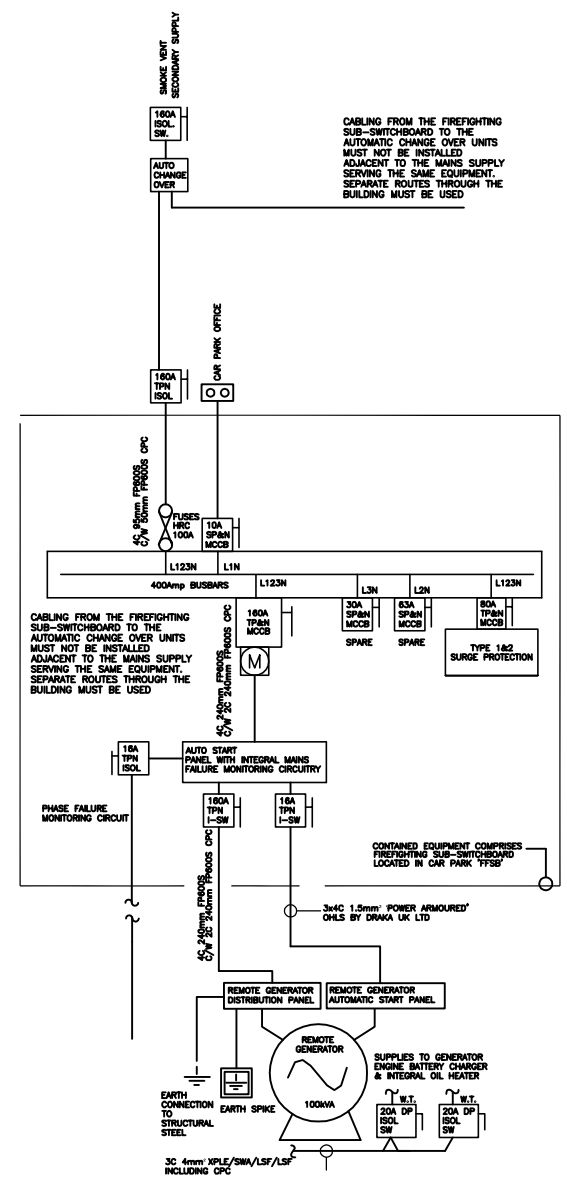
3 MAIN SWITCHBOARD TO BE C/W SECONDARY AUTO– START RELAY ARRANGED AS FOLLOWS: FAILURE OF ANY DEDICATED MCCB's OR MAINS SUPPLY WILL ENERGIZE THE RELAY AND SIGNAL THE SECONDARY SUPPLY CHANGEOVER PANEL.

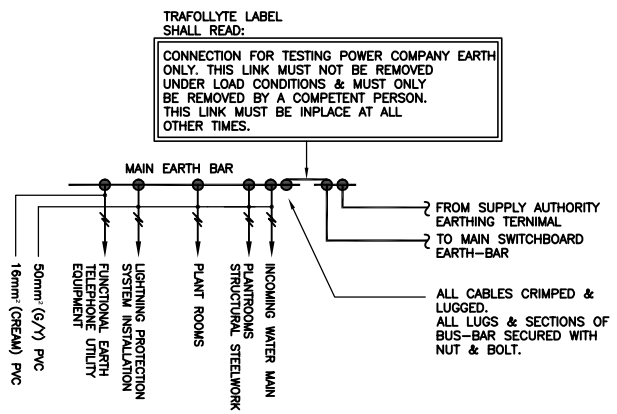
SEE AUTO CHANGEOVER UNIT DETAIL FOR EXACT ARRANGEMENT FOR ISOLATING SWITCHES AND FAILURE SIGNAL SWITCHES.

4 ALL FINAL CIRCUITS SERVING AIR–CONDITIONING TO BE PROTECTED BY TYPE 3 MCB's.

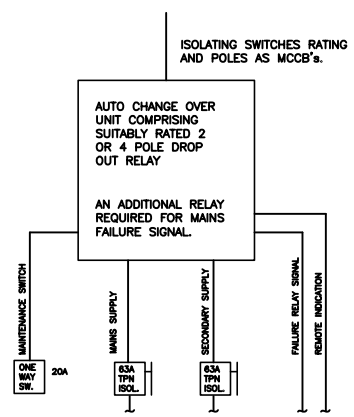
5 NOT ALL SPECIALIST EQUIPMENT & SERVICES ARE INCLUDED ON THE FLOOR PLANS. ALL EQUIPMENT, CABLING & POWER PROVISION SHOWN ON THIS DRAWING IS TO BE PROVIDED & INSTALLED IN THE APPROPRIATE LOCATIONS

6 TYPE 1 SURGE SUPPRESSION IS REQUIRED TO BE FIXED TO ANY EXTERNAL CABLING AS IT ENTERS THE BUILDING.ALSO APPLIES TO TELEPHONE, TV, CCTV, LIGHTING, EXTERNAL PLANT SUPPLIES, CONTROLS, SIGNAGE ETC. BUT SHALL NOT BE LIMITED TO THE AFOREMENTIONED SERVICES.





TYPICAL EARTH–BAR ARRANGEMENT INSTALLED EXTERNAL & ADJACENT TO SWITCHBOARD



TYPICAL AUTO CHANGEOVER UNIT DETAIL

INCLUDE ALL NECESSARY OFFSETS OF SERVICES IN CEILING VOIDS, SERVICE DUCTS AND ALL OTHER AREAS TO ACHIEVE CROSSOVERS AND CO–ORDINATION OF MECHANICAL AND ELECTRICAL SERVICES.

REV	DATE	DESCRIPTION	DR	CK
T1	15.01.15	TENDER ISSUE	DW	MB

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Engineering Environments

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DRAWING
ELECTRICAL SERVICES INSTALLATION

MAINS SCHEMATIC WIRING DIAGRAM

DRAWING NO./REVISION
3682/E610 T1

SCALE/PRINTED AT	DATE	DRAWN	CHECKED
NTS/A1	JAN'15	DW	MB

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